

FILED

FEB 18 2010

**SECRETARY, BOARD OF
OIL, GAS & MINING**

**BEFORE THE BOARD OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH**

IN THE MATTER OF THE REQUEST FOR AGENCY ACTION OF WOLVERINE GAS AND OIL COMPANY OF UTAH, LLC FOR AN ORDER AUTHORIZING THE FLARING AND VENTING OF GAS IN EXCESS OF THE AMOUNTS ALLOWED UNDER UTAH ADMIN. CODE RULE R649-3-20(1.1) FROM THE WOLVERINE FEDERAL ARAPIEN VALLEY 24-1 AND PROVIDENCE FEDERAL 24-4 WELLS LOCATED IN THE W $\frac{1}{2}$ OF SECTION 24, TOWNSHIP 20 SOUTH, RANGE 1 EAST, SLM, SANPETE COUNTY, UTAH

**MOTION FOR LEAVE TO FILE
SUBSTITUTE EXHIBIT**

Docket No. 2010-010

Cause No. 269-01

COMES NOW, Wolverine Gas and Oil Company of Utah, LLC (“Wolverine”), by and through its attorneys, Beatty & Wozniak, P.C., and pursuant to Utah Admin. Code Rule R641-105-300, and hereby requests the Board of Oil, Gas and Mining (the “Board”) for leave to file the following substitute exhibit attached hereto and by this reference incorporated herein:

- **SUBSTITUTE EXHIBIT “P”** — 24-1 and 24-4 Well Pressure-Transient Analyses (2 pages)

This substitute exhibit corrects incorrect referencing to the coloring of the Log-Log and Horner plots reflected on the original submitted on January 25, 2010. The plots themselves remain unchanged and therefore the substitution is of a corrective, non-material nature only.

Exhibits filed later than 30 days before the scheduled hearing date may be allowed by the Board upon good cause shown (*see* Utah Admin. Code Rule R641-105-500). The hearing on this matter is scheduled for February 24, 2010. Because the substitute exhibit is corrective and of a non-material nature only, Wolverine respectfully requests this Motion for Leave be granted.

Respectfully submitted this 18th day of February, 2010.

BEATTY & WOZNIAK, P.C.

By: 

Frederick M. MacDonald

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Cottonwood Heights, UT 84047-6003

Telephone: (801) 566-8446

Facsimile: (801) 566-8447

E-mail: FMacDonald@bwenergylaw.com

Attorneys for Petitioner Wolverine Gas and Oil
Company of Utah, LLC

CERTIFICATE OF SERVICE

I hereby certify that, on this 18th day of February, 2010, in addition to the original and fourteen copies hand delivered to the Board's Secretary, I caused a true and correct copy of the foregoing Motion for Leave to File Substitute Exhibit to be sent electronically, and via regular mail, postage pre-paid, to:

Cornell M. Christensen
Stan Andersen
United States of America
Bureau of Land Management
Richfield Field Office
150 East 900 North
Richfield, UT 84701
E-mail: Cornell_Christensen@blm.gov
E-mail: Stan_Andersen@blm.gov,

and sent electronically and hand delivered to the following:

Becky J. Hammond
Michael L. Coulthard
United States of America
Bureau of Land Management
Utah State Office
440 W 200 South, Suite 500
Salt Lake City, UT 84101
E-mail: Becky_Hammond@blm.gov
E-mail: Michael_Coulthard@blm.gov

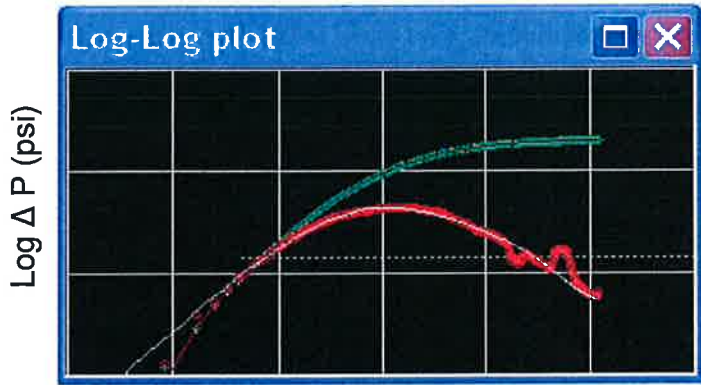
Steven F. Alder
Asst. Attorney General
Utah Division of Oil, Gas and Mining
1594 W. North Temple, Suite 300
Salt Lake City, UT 84116
E-mail: stevealder@utah.gov

Michael S. Johnson, Esq.
Asst. Attorney General
Utah Board of Oil, Gas and Mining
1594 W. North Temple, Suite 300
Salt Lake City, UT 84116
E-mail: mikejohnson@utah.gov

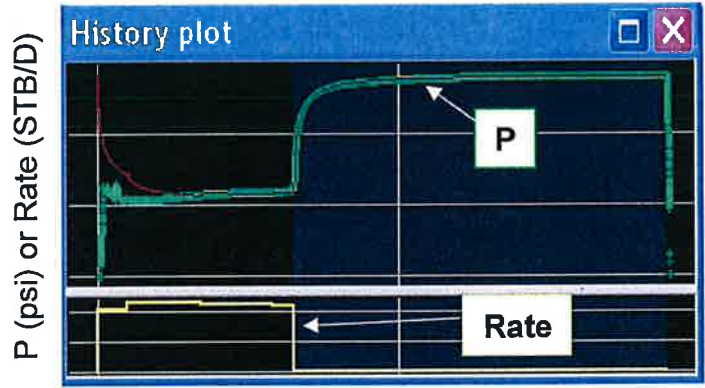
A handwritten signature in blue ink, appearing to read "Paul M. Anderson", is written over a horizontal line.

Arapien Valley 24-1 PTA

$kh = 20.4$ md-ft



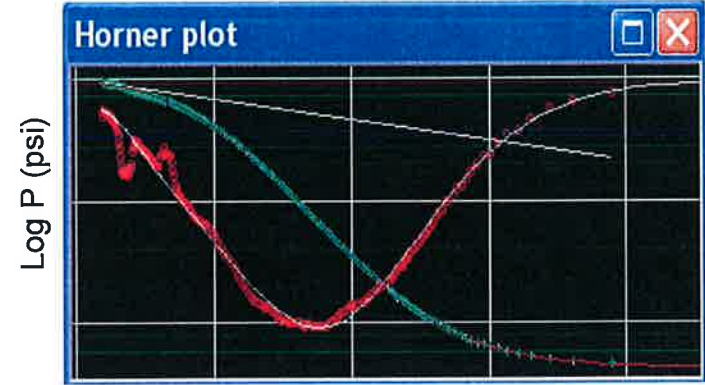
Log Δt (hrs)



Time (hrs)



Shut-in Time (hrs)




Horner Time (dim)

Standard Oil Test

Well = Vertical
Reservoir = Two layers
Boundary = Infinite

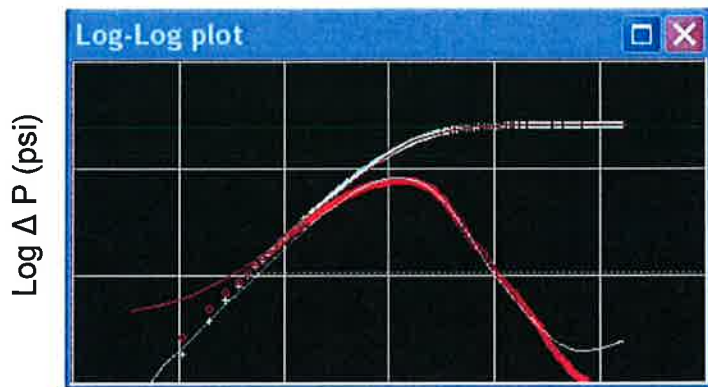
$P_i = 3522.64$ psia
 $k.h = 20.4$ md.ft
 $\Omega = 0.00702$
 $\Lambda = 4.96E-7$
 $\kappa = 0.12$
 $Skin1 = -4.67$
 $Skin2 = 6.56$
 $C = 0.00448$ bbl/psi

- Points represent actual data; lines are the best fit model match
- Log-Log and Horner Plots show measured parameters in green and derivative curve in red

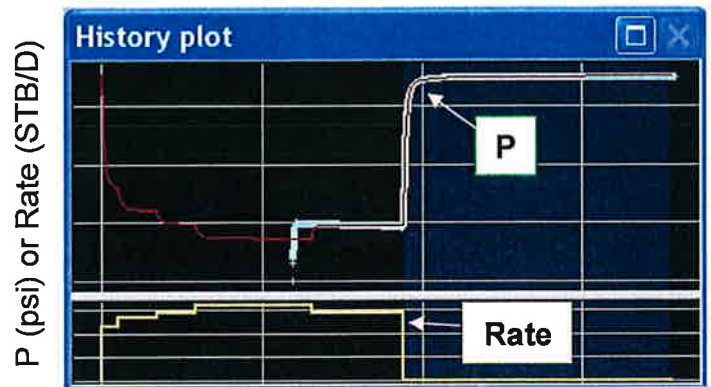
	WOLVERINE GAS & OIL Company of Utah, LLC (Operator) <i>Energy Exploration in Partnership with the Environment</i> ONE RIVERFRONT PLAZA 85 CAMP PAU, N.W. GRAND RAPIDS, MI 49503-2818 (616) 458-1150
	Substitute EXHIBIT <u>PI</u>
Date: 1/15/2010	Docket No. 2010-010; Cause No. 269-01

Providence Federal 24-4 PTA

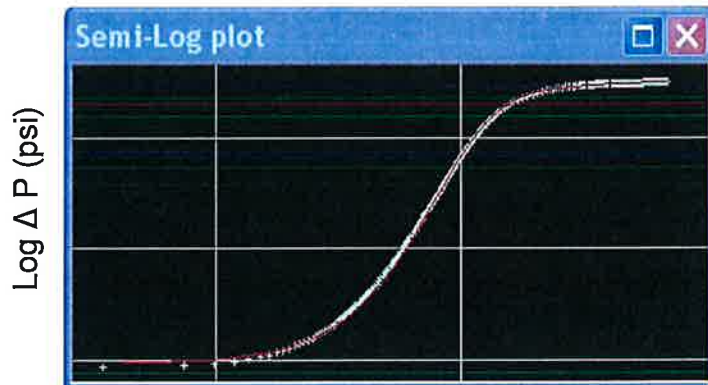
$kh = 53.5$ md-ft



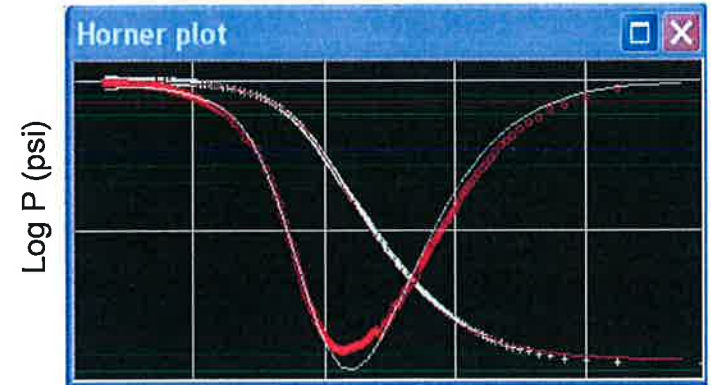
Log Δt (hrs)



Time (hrs)



Shut-in Time (hrs)




Horner Time (dim)

Standard Oil Test

Well = Vertical
Reservoir = Two layers
Boundary = Infinite

$P_i = 3550$ psia
 $kh = 53.5$ md.ft
 $\Omega = 0.0158$
 $\Lambda = 6.87E-7$
 $Kappa = 0.869$
 $Skin1 = 4.61$
 $Skin2 = 7.85$
 $C = 0.012$ bbl/psi

- Points represent actual data; lines are the best fit model match
- Log-Log and Horner Plots show measured parameters in white and derivative curve in red

	WOLVERINE GAS & OIL Company of Utah, LLC (Operator) <i>Energy Exploration in Partnership with the Environment</i> ONE RIVERFRONT PLAZA 55 CAM PAU, N.W. GRAND RAPIDS, MI 49503-2818 (616) 458-1150
	Substitute EXHIBIT P2
Date: 1/15/2010	Docket No. 2010-010; Cause No. 269-01

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FEB 18 2010

**SECRETARY, BOARD OF
OIL, GAS & MINING**

**BEFORE THE BOARD OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH**

IN THE MATTER OF THE REQUEST FOR AGENCY ACTION OF WOLVERINE GAS AND OIL COMPANY OF UTAH, LLC FOR AN ORDER AUTHORIZING THE FLARING AND VENTING OF GAS IN EXCESS OF THE AMOUNTS ALLOWED UNDER UTAH ADMIN. CODE RULE R649-3-20(1.1) FROM THE WOLVERINE FEDERAL ARAPIEN VALLEY 24-1 AND PROVIDENCE FEDERAL 24-4 WELLS LOCATED IN THE W½ OF SECTION 24, TOWNSHIP 20 SOUTH, RANGE 1 EAST, SLM, SANPETE COUNTY, UTAH

**ORDER GRANTING LEAVE TO
FILE SUBSTITUTE EXHIBIT**

Docket No. 2010-010

Cause No. 269-01

The Board of Oil, Gas and Mining, having fully considered Wolverine Gas and Oil Company of Utah, LLC's ("Wolverine's") Motion for Leave to File Substitute Exhibit filed on February 18, 2010, and finding good cause therefore, hereby grants said Motion and authorizes the filing and acceptance of Substitute Exhibit "P" attached to Wolverine's Motion.

For all purposes, the Chairman's signature on a faxed copy of this Order shall be deemed the equivalent of a signed original.

DATED this ____ day of February, 2010

**STATE OF UTAH
BOARD OF OIL, GAS AND MINING**

By: _____
Douglas E. Johnson
Chairman

CERTIFICATE OF SERVICE

I hereby certify that, on this 18th day of February, 2010, in addition to the original and fourteen copies hand delivered to the Board's Secretary, I caused a true and correct copy of the foregoing proposed Order Granting Leave to File Substitute Exhibit to be sent electronically, and via regular mail, postage pre-paid, to:

Cornell M. Christensen
Stan Andersen
United States of America
Bureau of Land Management
Richfield Field Office
150 East 900 North
Richfield, UT 84701
E-mail: Cornell_Christensen@blm.gov
E-mail: Stan_Andersen@blm.gov,

and sent electronically and hand delivered to the following:

Becky J. Hammond
Michael L. Coulthard
United States of America
Bureau of Land Management
Utah State Office
440 W 200 South, Suite 500
Salt Lake City, UT 84101
E-mail: Becky_Hammond@blm.gov
E-mail: Michael_Coulthard@blm.gov

Steven F. Alder
Asst. Attorney General
Utah Division of Oil, Gas and Mining
1594 W. North Temple, Suite 300
Salt Lake City, UT 84116
E-mail: stevealder@utah.gov

Michael S. Johnson, Esq.
Asst. Attorney General
Utah Board of Oil, Gas and Mining
1594 W. North Temple, Suite 300
Salt Lake City, UT 84116
E-mail: mikejohnson@utah.gov

A handwritten signature in blue ink, appearing to read "Fred M. Johnson", is written over a horizontal line.